

MRX 710 / 510 / 310
BEST A/V RECEIVERS ON THE MARKET

GENERATION 2 HAS ARRIVED!



More Features! Improved Features!
An even more comprehensive
ARC 1M ANTHEM ROOM CORRECTION SYSTEM!

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ANTHEM



WHY DO NEXT GEN **MRX A/V RECEIVERS** CONTINUE TO OFFER THE BEST VALUE IN THE RECEIVER MARKET? READ ON TO FIND OUT ...

Enhancements to GEN 2, at a glance*

Superb high-quality amp performance includes Anthem's Advanced Load Monitoring to keep a constant eye on output. *(See Specs section for info.)*

ARC 1M, an enhanced version of Anthem Room Correction ensures the speakers' award-winning sound isn't lost in a less-than-perfect room situation.

Outstanding power – 7 channels in MRX 710 and MRX 510; 5 channels in MRX 310 *(see Technical Specs section for power output).*

More HDMI inputs! 7 rear inputs and one front-panel input on MRX 710 and MRX 510. 7 rear inputs on MRX 310.

Dual HDMI outputs.

4K Upscaling and Pass-Through.

HDMI Audio Return Channel.

Faster HDMI switching.

Up to 20 input configurations.

Software updates via the USB port.

IP control: Command set is comprehensive, yet easy to work with. Drivers for popular control systems and remote control apps for iOS (Apple) and Android are coming. Similar commands and feedback can also be used through serial control.

Larger, easier-to-read on-screen menus and improved status displays.

Dual speaker configuration.

Speaker crossover now adjustable in 10-Hz Increments.

Optical, coaxial and analog inputs send 2-channel music to Zone 2.

Bi-amp the front Left/Right speakers with MRX 710 and MRX 510.

Power consumption in standby mode: <0.3 W.

**Enhancements apply to all models unless otherwise stated.*



MRX 710 Shown

“Among the numerous room correction systems I have tested, ARC currently stands out as the best.”

– David Rich, *Secrets of Home Theater & High Fidelity*

ARC 1M

A VERSION SPECIFICALLY DESIGNED FOR NEW GEN MRX RECEIVERS



FEATURES CARRIED OVER FROM GENERATION 1

- Video Conversion from Composite Video and Component Video to HDMI
- 1080p24 mode
- Dolby Volume
- AM/FM Tuner
- 3D support

DECODING

- Dolby TrueHD and Dolby Digital Plus
- DTS-HD Master Audio and High-Resolution Audio

LISTENING MODES

- AnthemLogic – Cinema, Music
- Dolby Pro Logic IIx – Movie, Music (including Center Width, Dimension and Panorama adjustments)
- DTS Neo:6 – Cinema, Music
- All-Channels – All-Speaker Stereo

INPUTS

- Analog Video Inputs: 1 Composite + 2 Component
- Digital Audio Inputs: 2 Coaxial + 3 Optical
- 5 Stereo Analog RCA Inputs

CUSTOM INSTALLATION

- RS-232 Control
- IR Input and Emitter Output
- Trigger Output
- Second Audio Zone

ADDITIONAL FEATURES

- Backlit Remote Control
- Sidemount Rack Kit (*sold separately*)

WARRANTY

- 3 years

WHY ARC REMAINS THE BEST ROOM CORRECTION SYSTEM ON THE MARKET

What's New in ARC 1M

- Connects via ethernet.
- A higher level of digital signal processing allows for even greater precision in correction curves.
- Print 'before and after' room-measurement graphs.

Why ARC continues to be important

Even when the finest speakers are perfectly positioned, the room can have a dramatic impact on sound quality. Room dimensions, dead spots, archways, even furniture can turn a room into an additional instrument adding unwanted coloration and resonances.

ARC adjusts for the room's effect on the speakers in a way that mimics our hearing. This way your Anthem gear and Paradigm speakers can do what they do best: allow you to lose yourself in the music or movie.

How does ARC do what it does?

- ARC analyzes each speaker's in-room response then sets output levels, crossover frequencies and correction parameters for each.
- ARC applies correction for up to 7 channels plus the sub!
- Unlike other room correction systems, ARC allows for multiple microphone measurements. Multiple mic positions allow for peaks and nulls to be identified allowing for far more accurate room correction.
- ARCuracy! The connected PC's 64-bit floating point processor calculates the correction curves to the n'th degree of accuracy.
- Separate configurations for music, movies or any other application where more than one configuration is useful.
- ARC applies correction to peaks *and* dips in room response – tackling both ensures a far more natural and accurate response!
- Fully automated or manual setup – with ARC you choose!

TECHNICAL SPECS

Superb Amplification! MRX receivers now benefit from Advanced Load Monitoring to keep a constant eye on output. An overheating protection and cooling system, it boasts a unique extruded aluminum heat-sink tunnel. Voltage across the output stage and current through the output stage are constantly monitored to keep output transistors within their safe operating area as a function of time. In extreme situations, where speaker impedance is very low and the music level is very high, the amplifier will shut down to protect itself. The heat sink tunnel is driven by a fan. Inside the tunnel, temperature is constantly monitored. During normal operation, the tunnel's temperature will be below the threshold at which the fan needs to turn on. In demanding situations, where the temperature rises above an initial threshold, the fan comes on at low speed. If the temperature rises above the second threshold, the fan moves into high speed. This allows the MRX's amplifier not only to work harder, but work harder for longer periods without the need for shutdown.

PREAMPLIFIER

Maximum Output (<0.1% THD)	3.5 Vrms, subwoofer channel 6.1 Vrms
Frequency Response (2 Vrms output)	8 Hz to 28 kHz (+0, -0.25 dB)
Frequency Response, Analog-Direct mode (2 Vrms output)	8 Hz to 50 kHz (+0, -0.25 dB)
THD+N (2 Vrms output)	<0.03%
S/N Ratio (2 Vrms output, IEC-A filter)	102 dB
L-R channel separation (analog input, 1 kHz)	96 dB

PREAMPLIFIER AND AMPLIFIER

Frequency Response (full power output)	10 Hz to 30 kHz (+0, -0.5 dB)
THD+N (1W output)	<0.04% (20 Hz to 20 kHz)
S/N Ratio (full power output, IEC-A filter)	101 dB

AMPLIFIER

Maximum continuous output into 8 ohms, 20 Hz to 20 kHz, 0.1% THD:

MRX 710	120 W (2 channels driven), 90 W (5 channels driven)
MRX 510	100 W (2 channels driven), 75 W (5 channels driven)
MRX 310	80 W (2 channels driven), 60 W (5 channels driven)

POWER CONSUMPTION

Maximum	500 W (MRX 710/510), 400 W (MRX 310)
Standby (default ECO mode)	<0.3 W
Standby IP Control enabled	2.0 W (1.8 W if network cable is not connected)
Standby HDMI Bypass enabled	5.6 W
Standby IP Control and Standby HDMI Bypass enabled	6.6 W

DIMENSIONS (all models)

Height	6-1/2" / 16.4 cm including feet, 4 rack units with special rack mount
Width	17-1/4" / 43.9 cm
Depth	14-5/8" / 37.2 cm

WEIGHT (unpacked)

MRX 710	30.8 lb / 14.0 kg
MRX 510	30.2 lb / 13.7 kg
MRX 310	27.8 lb / 12.6 kg



MRX 710 Shown

